FDV dokumentasjon

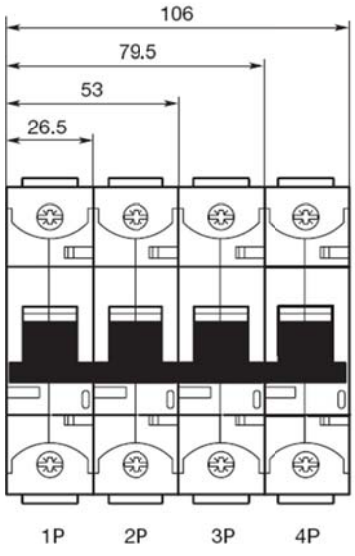
Automater S800S
D karakteristikk

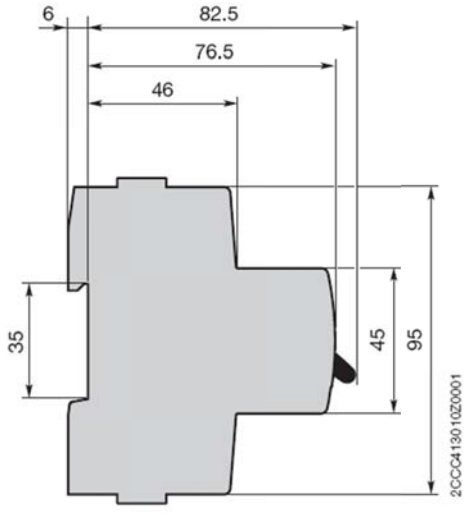
Typebetegnelse		El.nummer
Automat S801S-D6	2CCS861001R0061	1628416
Automat S801S-D8	2CCS861001R0081	1628417
Automat S801S-D10	2CCS861001R0101	1628796
Automat S801S-D13	2CCS861001R0131	1628797
Automat S801S-D16	2CCS861001R0161	1628798
Automat S801S-D20	2CCS861001R0201	1628799
Automat S801S-D25	2CCS861001R0251	1628800
Automat S801S-D32	2CCS861001R0321	1628801
Automat S801S-D40	2CCS861001R0401	1628802
Automat S801S-D50	2CCS861001R0501	1628803
Automat S801S-D63	2CCS861001R0631	1628804
Automat S801S-D80	2CCS861001R0801	1628805
Automat S801S-D100	2CCS861001R0821	1628806
Automat S801S-D125	2CCS861001R0841	1665907
Automat S802S-D6	2CCS862001R0061	1628418
Automat S802S-D8	2CCS862001R0081	1628419
Automat S802S-D10	2CCS862001R0101	1628808
Automat S802S-D13	2CCS862001R0131	1628809
Automat S802S-D16	2CCS862001R0161	1628810
Automat S802S-D20	2CCS862001R0201	1628811
Automat S802S-D25	2CCS862001R0251	1628812
Automat S802S-D32	2CCS862001R0321	1628813
Automat S802S-D40	2CCS862001R0401	1628814
Automat S802S-D50	2CCS862001R0501	1628815
Automat S802S-D63	2CCS862001R0631	1628816
Automat S802S-D80	2CCS862001R0801	1628817
Automat S802S-D100	2CCS862001R0821	1628818
Automat S802S-D125	2CCS862001R0841	1665979
Automat S803S-D6	2CCS863001R0061	1628420
Automat S803S-D8	2CCS863001R0081	1628421
Automat S803S-D10	2CCS863001R0101	1628820
Automat S803S-D13	2CCS863001R0131	1628821
Automat S803S-D16	2CCS863001R0161	1628822
Automat S803S-D20	2CCS863001R0201	1628823
Automat S803S-D25	2CCS863001R0251	1628824
Automat S803S-D32	2CCS863001R0321	1628825
Automat S803S-D40	2CCS863001R0401	1628826
Automat S803S-D50	2CCS863001R0501	1628827
Automat S803S-D63	2CCS863001R0631	1628828
Automat S803S-D80	2CCS863001R0801	1628829
Automat S803S-D100	2CCS863001R0821	1628830
Automat S803S-D125	2CCS863001R0841	1665991
Automat S804S-D6	2CCS864001R0061	1628422
Automat S804S-D8	2CCS864001R0081	1628423
Automat S804S-D10	2CCS864001R0101	1628832
Automat S804S-D13	2CCS864001R0131	1628833
Automat S804S-D16	2CCS864001R0161	1628834
Automat S804S-D20	2CCS864001R0201	1628835
Automat S804S-D25	2CCS864001R0251	1628836
Automat S804S-D32	2CCS864001R0321	1628837
Automat S804S-D40	2CCS864001R0401	1628838
Automat S804S-D50	2CCS864001R0501	1628839
Automat S804S-D63	2CCS864001R0631	1628840
Automat S804S-D80	2CCS864001R0801	1628841
Automat S804S-D100	2CCS864001R0821	1628842
Automat S804S-D125	2CCS864001R0841	1665969

FDV	Automatene er produsert og testet i henhold til IEC/EN 60898-1, IEC/EN 60947-2	Ingen krav til periodisk vedlikehold.

Tekniske Data

TEKNISKE DATA		S800 S			
Characteristics available		B, C, D	K	KM	UCB, UCK
Max. rated continuous current I_n	[A]	10...125	10...125	20...63	10...125
Poles		1...4	1...4	3	1...4
Rated operating voltage U_e					
(AC) 50/60Hz	[V]	400/690	400/690	400/690	-
(DC)/pole	[V]	-	-	-	250
Rated insulation voltage U_i	[V]	690	690	690	250[2]
Rated impulse withstand voltage U_{imp}	[kV]	8	8	8	8
Ultimate short-circuit breaking capacity I_{cu} in accordance with IEC 60947-2					
(AC) 50/60Hz 240/415V	[kA]	50	50	50	-
(AC) 50/60Hz 254/440V (10...80A)	[kA]	30	30	30	-
(AC) 50/60Hz 254/440V (100...125A)	[kA]	30	30	30	-
(AC) 50/60Hz 289/500V (10...63A)	[kA]	15	15	15	-
(AC) 50/60Hz 289/500V (80A)	[kA]	15	15	15	-
(AC) 50/60Hz 289/500V (100...125A)	[kA]	10	10	10	-
(AC) 50/60Hz 400/690V (10...80A)	[kA]	6	6	6	-
(AC) 50/60Hz 400/690V (100...125A)	[kA]	4.5	4.5	4.5	-
(DC) 250V (1-pole)	[kA]	-	-	-	50
(DC) 500V (2-pole)	[kA]	-	-	-	50
(DC) 750V (3-pole)	[kA]	-	-	-	50
(DC) 750V (4-pole)	[kA]	-	-	-	50
Rated short-circuit breaking capacity I_{cn} EN 60898-1					
(AC) 50/60Hz 240/415V (up to 80A)	[kA]	25	-	-	-
Service short-circuit breaking capacity I_{cs} in accordance with IEC 60947-2				-	-
(AC) 50/60Hz 240/415V	[kA]	40	40	40	-
(AC) 50/60Hz 254/440V (10...80A)	[kA]	22.5	22.5	22.5	-
(AC) 50/60Hz 254/440V (100...125A)	[kA]	15	15	15	-
(AC) 50/60Hz 289/500V (10...63A)	[kA]	11	11	11	-
(AC) 50/60Hz 289/500V (80A)	[kA]	8	8	8	-
(AC) 50/60Hz 289/500V (100...125A)	[kA]	5	5	5	-
(AC) 50/60Hz 400/690V (10...80A)	[kA]	4	4	4	-
(AC) 50/60Hz 400/690V (100...125A)	[kA]	3	3	3	-
(DC) 250V (1-pole)	[kA]	-	-	-	50
(DC) 500V (2-pole)	[kA]	-	-	-	50
(DC) 750V (3-pole)	[kA]	-	-	-	50
(DC) 750V (4-pole)	[kA]	-	-	-	50
Service short-circuit breaking capacity I_{cs} in accordance with EN 60898-1					
(AC) 50/60Hz 240/415V (up to 80A)	[kA]	12.5	-	-	-
Rated frequency	[Hz]	50/60, (16 2/3)[1]	50/60, (16 2/3)[1]	50/60	-
Total breaking time (240/415V; 50kA)	[ms]	≤2.5			
Mounting position		any			
Disconnector properties according to IEC 60947-2		yes			
Standards		IEC 60947-2			
		EN 60898-1	-	-	-
Connections CU (10...32A)	[mm²]	1...25 strand 1...35 cable	1...25 strand 1...35 cable	1...25 strand 1...35 cable	1...25 strand 1...35 cable
Connections CU (40...125A)	[mm²]	6...50 strand 6...70 cable	6...50 strand 6...70 cable	6...50 strand 6...70 cable	6...50 strand 6...70 cable
Tightening torque	[Nm]	min. 3 / max. 4			
AC/DC supply		any			
Mounting on DIN top hat rail		EN 60715			
Permissible ambient temperature for operations	[°C]	-25...+60			
Storage temperature	[°C]	-40...+70			
Type of protection		IP20 IP40 (only actuation side)			
Classification in accordance with NF-16-101, NF16-102		I3F2			
Resistance to vibration		IEC 60068-2-27; IEC 60068-2; EN 61373 Cat.1/class B			



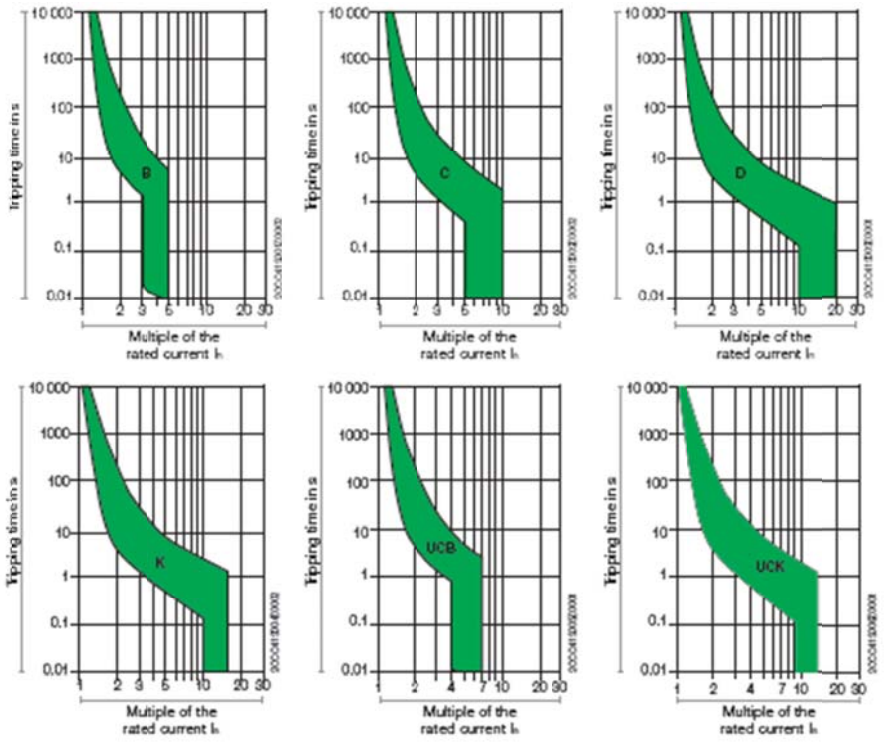


Tekniske Data

Tripping characteristic S800

Acc. to	Tripping characteristic and rated current		Thermal release ② Current: conventional non-tripping current	Thermal release ② Current: conventional tripping current	Tripping time	Electromagnetic release ① Current: hold current surges	Electromagnetic release ① Current: trip at least at	Tripping time
IEC/EN 60898-1	B	10 to 80 A	1.13 · In		> 1 h	3 · In		> 0.1 s
				1.45 · In	< 1 h		5 · In	< 0.1 s
	C	10 to 80 A	1.13 · In		> 1 h	5 · In		> 0.1 s
				1.45 · In	< 1 h		10 · In	< 0.1 s
	D	10 to 80 A	1.13 · In		> 1 h	10 · In		> 0.1 s
				1.45 · In	< 1 h		20 · In	< 0.1 s
IEC/EN 60947-2	B	6 to 125 A	1.05 · In		> 1 h	3.2 · In		> 0.1 s
				1.3 · In	< 1 h		4.8 · In	< 0.1 s
	C	6 to 125 A	1.05 · In		> 1 h	6.4 · In		> 0.1 s
				1.3 · In	< 1 h		9.6 · In	< 0.1 s
	D	6 to 125 A	1.05 · In		> 1 h	10.4 · In		> 0.1 s
				1.3 · In	< 1 h		15.6 · In	< 0.1 s
	K	6 to 125 A	1.05 · In		> 1 h	10.4 · In		> 0.1 s
				1.2 · In	< 1 h		15.6 · In	< 0.1 s
	KM	20 to 80 A				10.4 · In		> 0.1 s
							15.6 · In	< 0.1 s
	UCB (DC only)	10 to 125 A	1.05 · In		> 1 h	4.8 · In		> 0.1 s
				1.3 · In	< 1 h		7.2 · In	< 0.1 s
	UCK (DC only)	10 to 125 A	1.05 · In		> 1 h	8.8 · In		> 0.1 s
				1.2 · In	< 1 h		13.2 · In	< 0.1 s
	PV-S (DC only)	10 to 125 A	1.05 · In		> 1 h	4.8 · In		> 0.1 s
				1.3 · In	< 1 h		6 · In	< 0.1 s
UL489	Z	10 to 100 A	1 · In		> 1 h	3.2 · In		> 0.1 s
				1.35 · In	< 1 h		4.8 · In	< 0.1 s
	K	10 to 100 A	1 · In		> 1 h	6.4 · In		> 0.1 s
				1.35 · In	< 1 h		9.6 · In	< 0.1 s
	UCZ (DC only)	10 to 80 A	1 · In		> 1 h	8.8 · In		> 0.1 s
				1.35 · In	< 1 h		13.2 · In	< 0.1 s
UL489B	PV-S (DC only)	5 A	1.13 · In		> 1 h	4.8 · In		> 0.1 s
				1.3 · In	< 1 h		6 · In	< 0.1 s

① The indicated electromagnetic tripping values apply to a frequency of 50/60 Hz.
② The thermal releases are calibrated to a nominal reference ambient temperature; for B, C, D, UCB and PVS it is 30 °C, for K, UCK it is 20 °C for Z, K and UCZ it is 25 °C, for PVS acc. to UL489B it is 50 °C.



Produsent	Navn	Adresse	Tlf.		E-post
	ABB AS	Bergerveien 12 1396 Billingstad	03500		automasjonsprodukter@no.abb.com